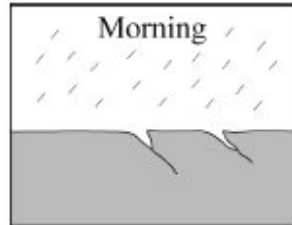
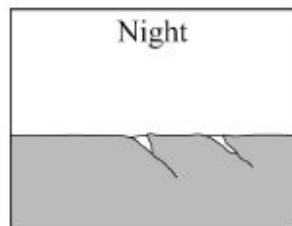
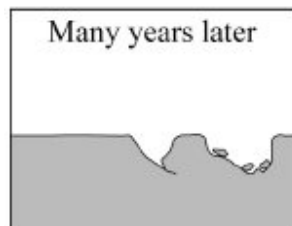


The figure below shows how freeze thaw weathering occurs. Add a sentence in each box to explain freeze thaw weathering.





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(Total 3 marks)

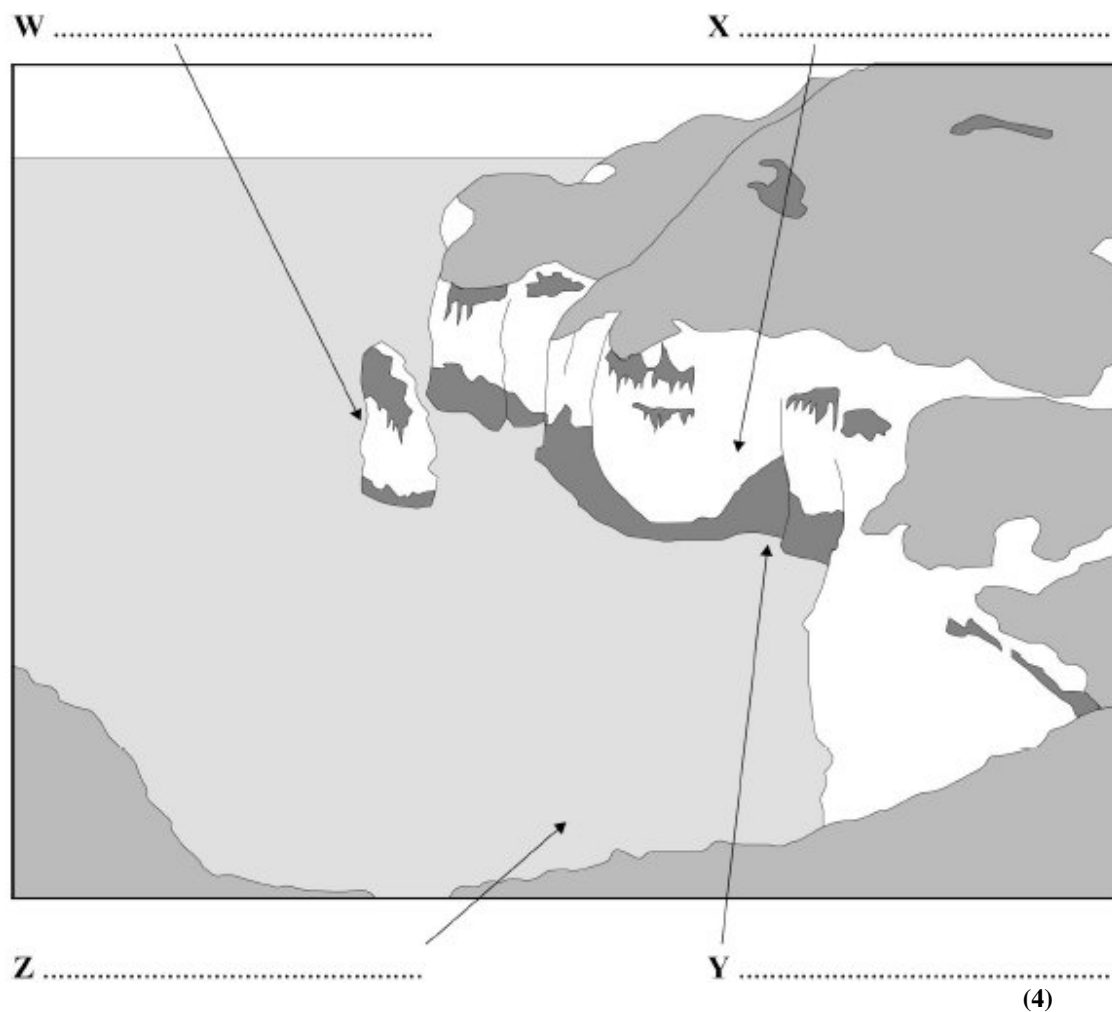
- (i) Study **Figure 1** below, which shows the coastal zone at Flamborough, North Yorkshire.

Figure 1



Figure 2 is a sketch of **Figure 1**. On **Figure 2**, label features **W**, **X**, **Y** and **Z**.

Figure 2



- (ii) Mass movement is common in the area shown in **Figure 1**.
What is meant by the term mass movement?

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(2)
(Total 6 marks)

For a coastal environment that you have studied, describe the environment and explain why it provides a suitable habitat for the species living there.

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(Total 6 marks)

Contrast the process of freeze thaw weathering with chemical weathering.

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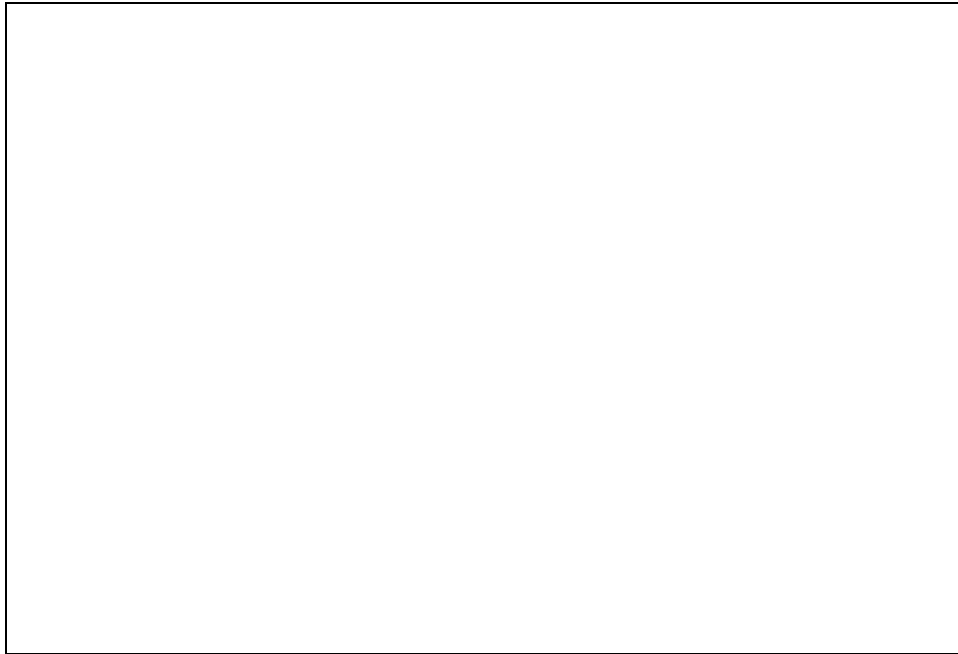
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(Total 3 marks)

- (i) Study the photograph below, which shows the coastal zone at Flamborough, North Yorkshire.



Using the photograph above, draw a labelled sketch in the box below to show the landforms and characteristics of this coast.



(4)

- (ii) Mass movement is common in the area shown in the photograph above. What role does mass movement have on coasts such as that in the photograph?

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(2)

(Total 6 marks)

For a coastal environment that you have studied, describe the ways in which it is managed to ensure it is conserved, but used sustainably.

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(Total 8 marks)

Tick the correct box to show whether each of the following statements about destructive and constructive waves is **true** or **false**.

True **False**

Destructive waves are more frequent than constructive waves.

☐☐

Destructive waves are steeper than constructive waves.

☐☐

Destructive waves have a stronger swash than backwash.

☐☐

(Total 3 marks)

Give **two** differences between destructive waves and constructive waves.

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(Total 2 marks)

- (i) On the figure below, a sea stack has been labelled.
Mark with an arrow and label **three** other landforms resulting from coastal erosion.

[illegible]

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(6)
 (Total 9 marks)

Tick the correct box to show whether or not each of the following is a process of coastal erosion.

	True	False
Saltation	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic Power	<input type="checkbox"/>	<input type="checkbox"/>
Corrosion	<input type="checkbox"/>	<input type="checkbox"/>

(Total 3 marks)

Chesil Beach has been formed partly as a result of longshore drift. In the box below, draw and label a diagram to show longshore drift.

(Total 4 marks)

Chesil Beach has been formed partly as a result of longshore drift. With the help of a diagram, explain how longshore drift works.

[illegible][illegible]

(Total 6 marks)

Chesil Beach has been formed partly as a result of longshore drift. With the help of a diagram, explain how longshore drift works.

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This image shows a full page of primary-ruled notebook paper. It features ten sets of horizontal lines. Each set consists of a solid top line, a dashed middle line, and a solid bottom line, providing a guide for letter height and placement. The paper is otherwise blank, with no handwriting or other markings.

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(Total 6 marks)

Explain how some coastal defences work.

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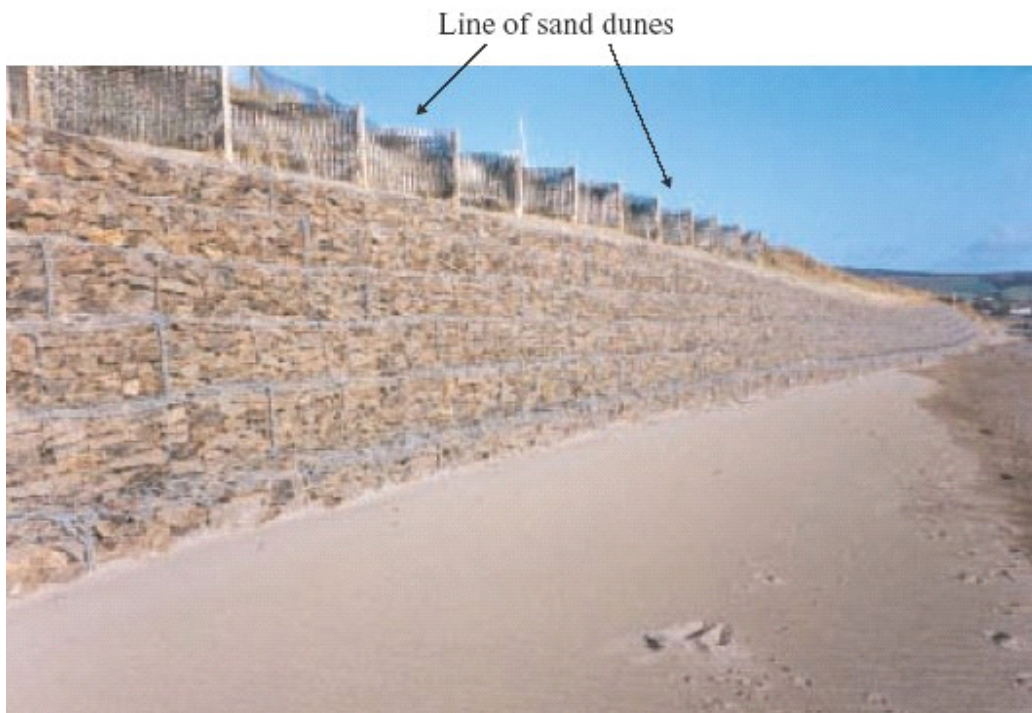
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(Total 4 marks)

Study the photograph below of some coastal defences in an area of sand dunes.



Describe **one** method of coastal protection shown.

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(Total 2 marks)